

MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

INJECTION WELL PERMIT APPLICATION
(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WEI

		PEN, PLUG BACK,				ekverte na rez jač	r mallego vinadimi
NOTE Perm	nit approval results revie	for drilling only, not wed and official not	l injection. Ap	proval or denial for	r injection deter	mined after Med	chanical Integrity
APPLICATION	ON TO DRIL	L DEEPE	EN 🗆	PLUG BACK		CONVERSIO	N
NAME OF COMPANY OR	OPERATOR				1	PATE	
Colt Energy	y, Inc.					10-17-9	
P.O. Box 38	38		CITY	Io1a		Kansas	66749
DESCRIPTION	OF WELL AN	VD LEASE					
VAME OF LEASE	5051		WEL	L NUMBER	1/mmarks	ELEVATION (GROUND) 1008	A RESIDENCE OF THE PROPERTY OF
McLaughlin			(GIVE COOTAG	4-M		1008	• 4
WELL LEVISION	2184	+FT. FROM (N) (S		324	7 51 50	OM(E) (W) SEC. LI	ve
WELL LOCATION		ECTION (A) (S	TOWNSHIP	RANGE		COUNTY SEC. EN	16
		4	46	33	98 02199	Cass	
VEAREST DISTANC	F FROM PROPO	SED LOCATION TO PRO	OPERTY OR LEAS	100	FEET		
	ROPOSED LOCA	ATION TO NEAREST DRI	ILLING, COMPLE	TED OR APPLIED - FO	R WELL ON THE SA	ME LEASE	FEET
TIOPUSEU DEPTH	P	TOTARY OR CABLE TOOLS	DRILLING CONTR	nactor, NAME AND ADDRESS	,	APPROX. DATE WORK W	LL START
600'		Rotary	Paola.	0,	ent co.	10-22-9	1
NUMBER OF ACRES IN LE	FASE					IO TO THIS DECED	VOIR 18
264		NUMBER OF WELLS ON I			ETED IN OR DRILLIF	NG TO THIS HESER	VOIHIA
		OR MORE WELLS DRILLE			NO.	OF WELLS: PROD	ucing12
NAME	20 11111 0112 1			min, 1884 bil 84, 12	mr.8		CTION
ADDRESS							ACTIVE2
						ABAND	
STATUS OF	BOND	SINGLE WELL AMOUNT \$	X	BLANKET BOND AMOUNT \$ _30.	000_		₩ ON FILE
				al at Lini o			
PROPOSED CASI	NG PROGRA	M			ING - TO BE FIL		
AMOUNT	SIZE	WT/FT	AMT. OF CE		SIZE	WT/FT	AMT. OF CEM.
20'	6 5/8'		5sx	20	6 5/8	13th	80 py
600'	2 7/8'	6#	80sx	600	2 /8	6-	80 04
	1 -1-1-1-1-1	l am the	Agent		of the Colt	Energy, Inc	•
I, the undersign	ed, state that	thorized by said cor	Agenta			as prepared und	ler my supervisio
(company), and	that I am au	thorized by said cor	mpany to mak	te tills report, and to	he heat of my kr	owledge	
and direction an	d that the fa	cts stated therein ar	e true, correc	t, and complete to t	He Deat Of my Ki	DATÉ	
SIGNATURE	9000	200					17-91
PERMIT NUMBER	o all	en Nichols		LER'S LOG REQUIRED	M E.L	OGS REQUIRED IF	
	2054	-0		E ANALYSIS REQUIRED			D. REQUIRED IF RUN
APPROVED DATE	11/2/2			PLES REQUIRED		CEIV	FM
	11/5/91		SAMI	PLES NOT REQUIRED		LILV	444
APPROVED BY	11	00 1.1000	WAT	ER SAMPLES REQUIRE	DATTAC	OCT 1 199	01
	S PERMIT	THE OIL AND G				HER LOCATION	THE GEOLOGIC
MO 780-0212 (10-87)	ni i or i n	REMIT TWO COPIES TO	: MISSOURI OIL	AND GAS COUNCIL, P.O.	BOX 250, AOLLA, MO	65401	

		0	f the	1000		
Company confirm that an approved o	drilling permit h	as been ob	tained by the o	wner of th	nis well. Council approval of	this permit
will be shown on this form by presence	e of a permit nu	mber and	signature of aut	horized Co	ouncil representative.	
RILLER'S SIGNATURE			DATE	-		
			ENERGY TO			
PROPOSED OPERATIONS DATA						
ROPOSED AVERAGE DAILY INJECTION,	PRESSURE _	100	PSIG, RATE	. 10	BPD/GPM, VOLUME	BBL/GAL
PPROVED AVERAGE DAILY INJECTION. TO BE FILLED IN BY STATE GEOLOGIST).	PRESSURE _	100	PSIG, RATE	lo	BPD/GPM, VOLUME	BBL/GAL
ROPOSED MAXIMUM DAILY INJECTION,	PRESSURE	450	PSIG, RATE	60	BPD/GPM, VOLUME	BBL/GAL
PPROVED MAXIMUM DAILY INJECTION, TO BE FILLED IN BY STATE GEOLOGIST).	PRESSURE _	450	PSIG, RATE	60	BPD/GPM, VOLUME	BBL/GAL
STIMATED FRACTURE PRESSURE/GRADIENT		NE				PSI/FOOT
ESCRIBE THE SOURCE OF THE INJECTION F			400 1 AS 65 1 4 (5 A)	11/11/19/41	WOMASS TO ASSET METHODS SEL	4 7010 14411
OTE SUBMIT AN APPROPRIATE ANALY ESCRIBE THE COMPATIBILITY OF THE PROP						
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	Same	Reinjec	LION			
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IVE AN ACCURATE DESCRIPTION OF THE IN ND PERMEABILITY.		CLUDING LIT	OWA LELL	PTIONS, GE	OLOGIC NAME, THICKNESS, DEP	TH, POROSITY,
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UBMIT ALL AVAILABLE LOGGING AND TEST	0-30 245 100 ONFINING ZONES I Same about	Thickney Porosi Millida NCLUDING L DVE & be	ess ty arcies THOLOGIC DESCI	RIPTION, GE	OLOGIC NAME, THICKNESS, DEP	ГН. POROSITY
UBMIT ALL AVAILABLE LOGGING AND TEST	0-30 243 100 ONFINING ZONES I Same above ING DATA ON THE ELL NEEDING COP- HE REASON FOR AN	Thickney Porosi Millida NCLUDING L DVE & be	ess ty arcies THOLOGIC DESCI	RIPTION, GE	OLOGIC NAME, THICKNESS, DEP	ГН. POROSITY
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MO 780-0212 (10-87)



MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

	LL COMIT LL	110110	II NECO	WIFEE	ION NE	FUNT AN	ID WE	LLLOG			State of the last
NEW MELL W	ORKOVER DE	EPEN []	PLUG BA	ск 🗆 іі	NJECTION	☐ SAME F	RESERVO	IR DIFFE	RENT RESERVOI	R DOIL	. 🗆 GAS 🗆 DRY
Colt Energy,	Inc.	Carcilla Cearta		nana nana	0	ADDRESS P.O. B	ox 38	8 Iola,	KS 66749		HOSFAMSON
LEASE NAME Maclaughlin						WELL NUMBE					
2184 FSL	3247'FE	L	7.3	Håde 6	ttA pë	J zvětt	hq	SEC. TWP. AND	RANGE OR BLOCK	AND SURV	/EY
COUNTY	PERM	11T NUMBER 2054	R (OGC-3 OF	R OGC-31)					***************************************	, 4,	
DATE SPUDDED		TOTAL DE	PTH REACH	ED DA	TE COMPLE	TED READY TO	5		F, RKR, RT, OR Gr.)		ON OF CASING HD.
10-19-91		0-21-9	AL DEPTH	PRI	3-17	-92		1008.	4	FLANGE	FEET
535		527									
PRODUCING OR INJECT	100 INTERVAL(S) FO	R THIS CO	MPLETION			^म ेर्धि भी	CE	(INTERVAL) 53	Native	CABLE TO	DOLS USED (INTERVAL)
WAS THIS WELL DIRECT	IONALLY WAS	DIRECTION	IAL SURVEY	MADE?		OTTICE ITTO TE	0.0 0000	IONAL SURVEY		DATE FIL	ED
TYPE OF ELECTRICAL OF Drillers		(LIST LOG	S FILED WIT	H THE STA	TE GEOLOG	SIST)				DATE FIL	14-92
					CONTRACTOR OF THE PARTY OF THE	RECORD					
CASING (REPORT AL											
PURPOSE	SIZE HOLE DRIL	LED S	IZE CASIN	G SET	WEIGH	T (LB. FT)	DE	PTH SET	SACKS CEMI	ENT	AMOUNT PULLED
Surface	9 7/8		7"		17#		23		5sxs		
Production	5 5/8	2	2 7/8		6.4		527		74sxs		
	TUBING	web-do-do-do-do-do-do-do-do-do-do-do-do-do-						Trade transfer or trade (1900 - 1900 - 1900 -	INER RECORD		
SIZE	DEPTH SET	PACKER		SIZE		TOP		воттом	SACKS CE	MENT	SCREEN
IN.	PERFORATION		FEET		INCH		ACID.	SHOT, FRACT	URE, CEMENT S	OUEEZE F	RECORD
NUMBER PER FEET	SIZE AND TYP			INTERV	AL		OUNT A	ND KIND OF AL USED			INTERVAL
2	2"DML-RTG	48	36-492,	/498-5	808	30	sxs s	and	486-	-508	
						RODUCTIO	-				
4-8-92	CTION OR INJECTION	PRO	DUCING ME Pur	THOD (INI	OICATE IF FI	owing gas insert	LIFT, OR I	PUMPING — IF F	PUMPING, SHOW SIZ	E AND TYP	PE OF PUMP.
DATE OF TEST HOU	RS TESTED CHO	KE SIZE	OIL PROTEST	DUCED D		GAS PRODU	CED DURI	NG TEST	WATER PRODUCE		
TUBING PRESSURE	CASING PRESSU		TED RATE (OF PRODU	CTION	OIL 1/2	bbls.	GAS MCF	WATER	bbls	GAS OIL RATIO
DISPOSITION OF GAS (S	TATE WHETHER VE	NTED, USEC	FOR FUEL	OR SOLD)		1	bois.	MOF		ODI	5.]
METHOD OF DISPOSAL O	of MUD PIT CONTER	vis oit in							MEC		
CERTIFICATE: 1, THE C		TE THAT I		Agent		NY AND THAT	I AM AUT	HORIZED BY S	VD COMPANUITH W	ARE PHIS	OF THE
		VISION AND									EST OF MY KNOWLEDGE.
4-14-9	92	SIG	NATURE)	/	21)		MO Oil 8	k Gas	Council
MO 780 0215 (1.86)		/_	Y	mn	- K	Cish	ne				(Bev. 1-86

MO 780-0215 (1-86)



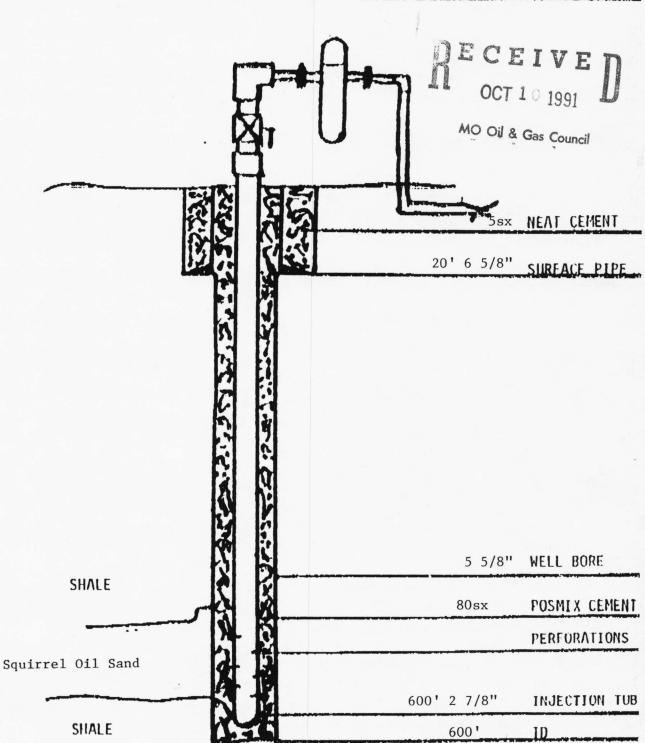
MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL INJECTION WELL SCHEMATIC

Cass

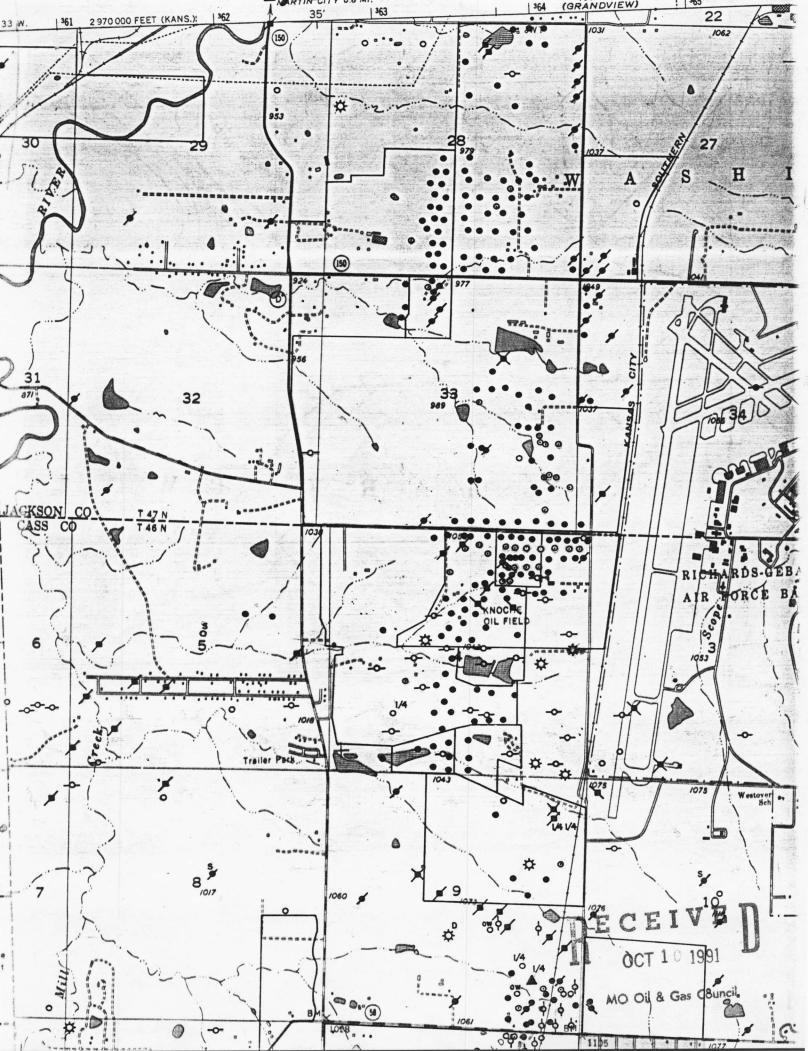
Permit Number
Cass

Colt Energy, Inc.

Well Number
McLaughlin
4-M



INSTRUCTIONS
ON THE AROVE SPACE DRAY A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCLUDING THE FOLLOWING:
CONFIGURATION OF WELL HEAD, TOTAL DEPTH OR PLUG TACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES.
STINCTORY OF ALL FORMATIONS PENETRATED, USEFULS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING,
AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOYATION, AND TYPE OF ALL CRIMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME
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AFFIDAVIT OF PUBLICATION

STATE OF MISSOURI) Ss. County of Jackson,

Per_

RECEIVE DOCT 31 1991

STYLE OF CASE

Legal Notice-WELL PERMIT

4-46-33

October 24, 1991

Notice is hereby given that COLT ENERGY, INC. P.O. Box 388, Iola, Ks. 66749 has applied for injection well permits on the MacLaughlin Lease. Well numbers 2K, 4K, 2M, and 4M. All wells are located in Section 4.46-33W, Cass County, Mo. Written comments or request for additional information regarding such wells should be directed within 15 days of this notice to State Geologists Missouri Oil & Gas Council, P.O. Box 250, Rolla, Mo. 65401.

MO Oil & Gas Council
Daniel S. Collinson

, h	aving	been	duly	sworn,

	Publisher
n oath, states that he is	and
gent of THE BLUE SPRINGS EXA	AMINER, a daily newspaper published at Blue Springs,
ackson County, Missouri, of general	circulation in the county where located and which has been
dmitted to the post office as second	d class matter in the city of its publication and has been
ublished regularly and consecutivel	y for a period of three years, and has a list of bona fide
ubscribers, voluntarily engaged as	such who have paid or agreed to pay a stated price for
	time, and that such newspaper has complied with the
rovisions of Section 493.050 Revise	d Statutes of Missouri, 1969; and that the notice, a copy of
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	ned in said paper for
ananativa timas sammanaina an	October 24 , 19 91 , and ending on
onsecutive times, commencing on	, 19, and chang on
October 24 19 9	being the issues of
	October 24, 1991
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